MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER, 1929

J. A. BROWN, DIRECTOR

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DECEMBER 1929
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm +..				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.2	59.1	61.2	58.9	18.3	12.3	15.6	18.3	15.6	16.5
2	64.0	64.0	3.2	63.7	18.8	13.3	15.6	18.2	15.7	16.5
3	7.8	7.5	8.0	7.8	18.5	13.9	17.8	18.9	15.8	17.5
4	7.7	5.5	3.8	5.7	19.3	14.3	17.9	18.7	19.1	18.6
5	1.8	58.8	57.3	59.3	20.0	15.8	18.6	20.1	18.3	19.0
6	56.5	56.2	57.8	56.8	20.6	15.0	16.6	13.2	13.6	14.5
7	60.0	60.3	61.8	60.7	18.4	12.8	15.6	17.1	14.9	15.9
8	3.1	2.6	2.9	2.9	18.4	12.8	15.9	17.5	14.7	16.0
9	1.1	0.2	0.7	0.7	17.8	12.5	15.9	17.4	15.8	16.4
10	0.3	59.1	0.6	0.0	17.8	14.6	15.9	19.2	15.7	16.9
11	62.9	61.5	59.3	61.2	19.7	13.7	16.6	18.7	16.2	17.2
12	0.1	59.4	9.6	59.7	18.8	15.4	17.1	18.5	16.3	17.3
13	58.3	6.7	7.8	7.6	19.0	12.2	14.8	18.5	14.8	16.0
14	9.3	8.8	60.1	9.4	19.1	13.4	16.7	16.7	14.4	15.9
15	7.9	7.6	57.0	7.5	18.7	13.4	17.3	15.0	14.3	15.5
16	56.6	56.0	56.8	56 5	18.4	10.1	10.7	11.4	10.3	10.9
17	60.8	62.3	64.3	62.5	14.4	9.2	13.9	15.2	12.7	13.9
18	6.2	6.0	7.3	6.5	15.7	12.0	15.7	17.8	14.1	15.9
19	7.5	5.9	5.9	6.4	18.3	12.8	15.6	18.2	14.9	16.2
20	4 3	2.7	3.1	3.4	18.4	12.3	15.0	17.1	13.8	15.3
21	62.7	61.5	62.7	62.3	17.2	11.7	14.9	16.9	13.4	15.1
22	3.6	2.4	3.1	3.0	16.9	11.7	12.3	13.5	12.8	12.9
23	3.7	3.1	3.9	3.6	16.8	11.1	12.8	14.7	13.6	13.7
24	5.1	3.1	3 3	3.8	15.7	11.2	14.2	17.5	14.8	15.5
25	1.9	1.2	2.6	1 9	17.2	10.6	15.1	15.6	13.8	14.8
26	63.2	62.2	62.9	62.8	17.1	12.3	15.2	16.3	13.3	14.9
27	4.4	3.9	5.7	4 7	16.7	11.9	15.0	16.7	12.4	14.7
28	8.0	8.1	9.6	8.6	16.7	11.1	14.2	15.4	13.0	14.2
29	70.2	9.5	9.4	9.7	15.9	11.9	15.0	16.6	13.6	15.1
30	8.6	6.4	6.4	7.1	17.3	12.3	15.0	16.7	13.7	15.1
31	5.0	3.8	4.9	4.6	17.4	12.9	14.3	17.1	14.0	15.1
	62.96	62.11	62.68	62 59	17.85	12.56	15.38	16.86	14.50	15.58

Barometer, Range for month 756.0-770.2 m.m.
,, 50-yr. average for month 763.28 m.m.
Thermometer, Range for month 9.°2-20.°6
, 50-yr. average for month 15.°9
Rain, total for month 212.53. m.m
,, , 50-yr average for month 190.53m.m.
,, , total. Sept. 1st to end of month 345.68m.m.
,, , 50-yr average, Sept. 1st to end of month. 385.83m.m.

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METEOROLOGICAL REGISTER

	Wet Bulb Cent			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun	Rain
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	hrs.	m.m.
1	13.7	15.2	13.4	10.5	10.9	10.2	10.5	80	70	77	78	8.4	2.29
2	14.1	15.2	13.6	11.1	11.1	10.2	10.8	84	71	77	77	8.0	1.65
3	13.9	17.4	14.9	9.6	12.9	12.0	11.5	63	74	91	76	9.4	
4	16.8	15.7	14.4	13.5	11.4	9.6	11.5	88	72	59	73	6.8	
5	14.9	15.0	14.8	10.4	9.8	10.4	10.1	66	56	67	63	9.2	
6	14.7	12.9	12.3	11.3	10.8	9.8	10.6	81	94	85	87	0.0	75.34
7	14.2	13.7	12.2	11.2	9.7	9.1	10.0	86	67	72	75	8.2	8.51
8	12.1	13.8	11.3	8.5	9.6	8.3	8.8	62	64	66	64	9.0	
9	11.0	13 4	11.9	7.1	9.2	8.3	8.2	51	62	62	58	9.0	
10	13.4	13.8	14.1	10.0	8.8	11.0	9.9	72	53	82	69	1.4	0.38
11	14.3	14.0	13.6	10.8	9.2	10.0	10.0	77	58	73	69	4.4	
12	13.2	13.9	12.1	9.1	9.2	8.3	8.8	64	58	59	60	5.6	
13	13.0	13.7	11.7	10.1	9.1	8.5	9.2	80	57	67	68	2.6	17.15
14	12.3	13.6	13.0	8.3	9.8	10.3	9.5	58	70	83	70	5.5	
15	11.9	12.9	12.8	7.6	9.8	10.0	9.1	53	77	82	71	0.6	4.83
16	10.4	10.2	9.7	9.2	8.0	8.4	8.5	97	85	90	91	0.0	48.77
17	11.1	12.1	10.3	8.3	8.8	8.1	8.4	70	68	75	71	8.6	
18	11.4	13.7	11.1	7.8	9.3	8.2	8.4	58	61	68	62	6.4	
19	12.1	14.0	11.8	8.6	9.5	8.6	8.9	65	61	68	65	7.8	
20	10 4	13.9	11.1	7.2	9.7	8.4	8.4	56	67	71	65	8.2	
21	11.4	13.1	11.9	8.2	9.1	9.5	8.9	65	64	81	70	8.0	2.39
22	11.6	12.1	11.2	9.7	8.7	9.0	9.1	90	68	82	80	0.0	13.77
23	11.8	13.2	12.0	9.7	7.8	9.5	9.0	88	82	83	84	0.0	24.69
24	12.5	13.8	12.8	9.8	9 6	9.8	9.7	82	64	78	75	4.2	8.26
25	13.9	12.8	9.9	11.0	9.4	6.8	9.1	86	71	58	72	1.0	
26	11.6	12.8	10.8	8.1	9.0	8.3	8.5	63	65	72	67	8.2	0.56
27	11.0	12.3	10.9	7.7	8.3	8.8	8.3	60	59	82	67	6.6	3.56
28	12.0	12.1	10.4	9.2	8.6	8.1	8.6	75	67	72	71	6.2	0.38
29	10.8	12.3	10.7	7.5	8.4	8.0	8.0	59	60	69	63	9.0	
30	11.2	13.1	10.7	7.9	9.1	8.1	8.4	62	65	69	65	6.4	
31	11.0	13.3	11.1	8.0	9.2	8.3	8.5	66	64	69	66	3.8	
	12.51	13.51	12.02	9.26	9.48	9.12	9.29	71.2	67.0	73.9	70.7	5.56	6.86

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20·30	Mean	8:30	14:30	20:30	Km.		
1	3ci cu	6nicu	4strcu	4.3	1sw	2s	2s	284.6	mod.	
2	4nicu	4cicu	1cu	3.0	1sw	1ne	1ne	202.1	light	
3	1cu	0	0	0.3	0	0	0	147.4	calm	
4	1cu	8ci	1cu	3.3	0	1s	2ne	139.4	light	
5	0	2ci	0	0.7	0	1ne	0	90.6	calm	
6	10ni	10ni	10ni	10.0	1e	1s	1s	262.8	mod.	t.l.r.d.d.n.
7	2str cu	1cu	2cu	1.7	0	3n	1n	329.1	,,	
8	1cu	0	1cu	0.7	0	0	1ne	195.0	light	
9	1cu	2cu	6strcu	3.0	0	0	1sw	214.3	,,	
10	8str cu	8nicu,	10ni	8.7	1se	3sw	2s	374.1	v. slight	
11	4nicu	8nicu	10ni	7.3	2s	2s	4s	249.4	mod.	tr. rain
12	8ni	6nicu	4cicu	6.0	4s	4s	3s	717.5	rough	tr. rain
13	10ni	6strcu	1cu	5.7	2s	3s	1s	593.2	slight	
14	2ci	10ni	1cu	4.3	1e	4s	2s	265.8	mod.	tr. rain
15	6nicu	10ni	10ni	8.7	3s	2s	3s	352.5	slight	
16	10ni	10ni	6strcu	8.7	2s	2s	1s	281.6	mod.	
17	1cu	1cu	0	0.7	1e	3n	1n	156.3	light	
18	6cistr	3cistr	1cu	3.3	1e	1s	0	368.5	mod.	
19	1cu	6strcu	4strcu	3.7	0	1s	1se	125.5	v. light	haze a.m.
20	8str	4cistr	2cu	4.7	1s	2sw	0	322.2	mod.	
21	2cu	2strcu	8ni	4.0	0	2sw	2s	329.6	,,	
22	8nicu	10ni	10ni	9.3	1se	2s	4s	405.2	slight	
23	10ni	10ni	6nicu	8.7	4s	3s	2s	548.5	rough	
24	2cu	6strcu	3strcu	3.7	1e	1sw	0	233.3	mod.	
25	8nicu	8ni	0	5.3	2se	1e	1e	147.0	light	tr. rain
26	2str cu	6strcu	1cu	4.3	1e	1sw	2se	279.4	,,	
27	2strcu	6strcu	2cu	3.3	1se	1w	2s	184.9	,,	
28	10ni	2cu	0	4.0	1s	0	1n	132.4	v. light	
29	1ci	2ci	0	1.0	0	1e	0	135.2	,,	
30	8ci	10ci	0	6.0	0	1w	0	145.0	,,	
31	8ci cu	8strcu	0	5.3	0	1sw	0	64.4	calm	
				4.64				266.99		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	0	6	4	8	2	0	0	11
14:30	2	2	2	0	13	6	2	0	4
20.30	3	3	1	2	13	1	0	0	8
Totals	5	5	9	6	34	9	2	0	23

Number of days with rain 15, fog 0, thunderstorms 1, gales 0.
50-yr average number of days with rain during month 13.4